

Recombinant Human Histone Deacetylase 6, GST-tagged

Cat. No. HDAC6-399H Lot. No. (See product label)

SPECIFICATION

Product Overview	HumanHDAC6 full-length ORF (1 a.a. - 1063 a.a.) recombinantprotein with GST-tag atN-terminal expressed in vitro wheat germ.
Species	Human
Source	Wheat Germ
Description	HDAC6is an enzyme that in humans is encoded by the HDAC6 gene.
Molecular Weight	142.67kDa
Reconstitution	50 mMTris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Quality ControlTesting	12.5%SDS-PAGE Stained with Coomassie Blue.
Preparation Method	In vitrowheat germ expression system.
Purification	GlutathioneSepharose 4 Fast Flow.
Sequences of aminoacids	METTQYMNEG ELRVLADTYD SVYLHPNSYS CACLASGSVL RLVDAVLGAEIRNGMAIIRP PGHHAQHSLM DGYCMFNHVA VAARYAQQKH RIRRVLIVDW DVHGGQGTQF TFDQDPSVLYFSIHRYEQGR FWPHLKASNW STTGFGQQGQ YTINVPWNQV GMRDADYIAA FLHVLLPVAL EFQPQLVLAAGFDALQGGP KGEMAATPAG FAQLTHLLMG LAGGKLILSL

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EGGYNLRALA EGVASLHTL LGDPCPMLESPGAPCRSAQA SVSCALEALE
 PFWEVLVRST ETVERDNMEE DNVEESEEEG PWEPPVLPIL
 TWPVLQSRTGLVYDQNMNMH CNLWDSHHPE VPQRILRIMC RLEELGLAGR
 CLTLTPRPAT EAELLTCHSA EYVGHLRATEKMKTRELHRE SSNFDSIYIC
 PSTFACAQLA TGAACRLVEA VLSGEVLNGA AVVRPPGHHA
 EQDAACGFCFFNSVAVAAARH AQTISGHALR ILIVDWDVHH GNGTQHMFED
 DPSVLYVSLH RYDHGTFFPM GDEGASSQIGRAAGTGFTVN VAWNGPRMGD
 ADYLAAWHRL VLPIAYEFNP ELVLVSAGFD AARGDPLGGC
 QVSPEGYAHLTHLLMGLASG RIILILEGGY NLTSISESMA ACTRSLGDP
 PPLLTLPRPP LSGALASITE TIQVHRRYWRSLRVMKVEDR EGPSSSKLVT
 KKAPQPAKPR LAERMTTREK KVLEAGMGKV TSASFGEEST
 PGQTNSETAVVALTQDQPSE AATGGATLAQ TISEAAIGGA MLGQTTSEEA
 VGGATPDQTT SEETVGGAIL DQTTSEDAVGGATLGQTTSE EAVGGATLAQ
 TTSEAAMEGA TLDQTTSEEA PGGTELIQTP LASSTDHQTTP
 PTSPVQGTTQPISPSTLIGS LRTLELGSES QGASESQAPG EENLLGEAAG
 GQDMADSLM QGSRGLTDQA IFYAVTPLPWCPHLVAVCPI PAAGLDVTQP
 CGDCGTIQEN WVCLSCYQVY CGRYINGHML QHHGNSGHPL
 VLSYIDLSAWCYCQAYVHH QALLDVKNIA HQNKFGEDMP HPH

Storage Storeat -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name HDAC6 histonedeacetylase 6 [Homo sapiens]

Official Symbol HDAC6

Synonyms HDAC6;histone deacetylase 6; HD6; JM21; FLJ16239; EC 3.5.1.98;
 KIAA0901;OTTHUMP00000032398; OTTHUMP00000197663

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Gene ID	10013
mRNA Refseq	NM_006044
Protein Refseq	NP_006035
MIM	300272
UniProt ID	Q9UBN7
Chromosome Location	Xp11.23
Pathway	Cell cycle; NOTCH1 Intracellular DomainRegulates Transcription; Signal Transduction; Signaling by NOTCH; Signalingby NOTCH1; Signaling events mediated by HDAC Class I; Signaling eventsmediated by HDAC Class II; TNF-alpha/NF-kB Signaling Pathway
Function	Hsp90 protein binding; NAD-dependenthistone deacetylase activity (H3-K14 specific); NAD-dependent histonedeacetylase activity (H3-K9 specific); NAD-dependent histone deacetylaseactivity (H4-K16 specific); actin binding; alpha-tubulin binding;beta-catenin binding; beta-tubulin binding; dynein complex binding; enzymebinding; histone deacetylase activity; histone deacetylase activity (H3-K16specific); histone deacetylase binding; hydrolase activity; metal ion binding
Rendering based on	PDB 3C5K.

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